The Second International Measuring Ontologies for Value Enhancement Workshop (MOVE 2024)

Call for Papers and Presentations (Online)

Date
14-15 June 2024 (two days)

Venue
This virtual event is organised by the International Laboratory for Endeavour Architecture (ILEnA) in conjunction with the DigiSAS Lab, School of Computer Science, University of Technology Sydney, Australia.

About
The MOVE (Measuring Ontologies for Value Enhancement) is a community of academic researchers and industrial practitioners that aim to inspire research, discussion, and tools to achieve value from ontologies by measuring their impact in all fields. These measures would identify where there are gaps and overlaps within and across ontologies and the extent to which they are applied in multiple disciplines towards a holistic general ontology. For example, contemporary enterprise architecture frameworks contain ontologies through their metamodels but exclude measures that address sustainability and the circular economy. If we are to bring computer productivity that the automation of ontologies can offer to all human endeavours, then we need to MOVE them.

The first MOVE workshop led to the peer-reviewed "Measuring Ontologies for Value Enhancement: Aligning Computing Productivity with Human Creativity for Societal Adaptation" publication by Springer CCIS in 2022[1]. That publication contained selected and extended papers from the inaugural MOVE workshop. We identified the present-day challenges for MOVE, extending into multifaceted areas such as the separation of fake versus actual knowledge, fair knowledge sharing, advancement of knowledge-sharing methods, and tools to put the specialised knowledge pieces together. We covered:

- the complexity of knowledge-intensive societal endeavours, particularly on the dynamics of these systems
- methods for modelling ontologies, recognising inconsistent ontologies, creating ontologies of explanations
- creating ontologies for worldviews to advance (digital) ontologies for the humanities
- enterprise ontologies, extending enterprise architecture
- endeavour architecture for broader societal adaption and modelling of involved agents and agencies, their intelligence and formal concepts
- tools to MOVE enterprise architecture development with formal concept analysis and strategy ontology

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[1] https://link.springer.com/book/9783031222290

- knowledge discovery and innovations through collaboration tools that facilitated knowledge mapping and knowledge discovery, and collaboration for sensemaking and innovations
- trusted data sources to advance research on social determinants, inequalities, and the underuse of social prescriptions for mental health
- case studies such as the domain ontology of FinTech and how it may be shared with the broadest audience

Submissions

We, therefore, invite submissions that promote MOVE from the following areas:

- artificial intelligence, general and domain-specific
- case studies or histories
- bringing computer productivity to individual or organisational human creativity
- communication theories and practices
- conceptual graphs, formal concept analysis, or other conceptual structures
- data infrastructures
- data, information, knowledge, and wisdom space
- enterprise and endeavour architectures
- ethical theories and moral practices
- government services
- industry or third-sector applications
- knowledge graphs, linked data graphs, or enterprise data graphs
- large language models
- modelling theories and practices
- ontology theories and practices
- philosophical foundations
- neuroscience and phycology relevant for AI
- semantics
- semiotics
- societal adaption
- systems theories and practices
- value inquiry
- vocabularies, taxonomy, and ontology
- web-based, cloud, mobile, or other software tools
- user experiences
- any other area relevant to MOVE

The submissions may include proposals, in-progress research, scientific results, tools, industrial practices, or other artefacts to stimulate productive and interactive discussions during the workshop. Each submission must have a paper of up to 8 pages (excluding references) intended for presentation at the workshop. Please adhere to the format and guidelines provided by the Artificial Intelligence and Applications (AIA) journal, available at https://ojs.bonviewpress.com/index.php/AIA/about/submissions

All submissions must be original work, and authors must certify copyright ownership.

Submission System

Please send all your submissions and correspondence to MOVE@sysaffairs.org

Proceedings

Workshop papers and presentations will be published online with open access by ILEnA.

Selected and extended papers from the workshop will be published in a peer-reviewed special MOVE volume of the Journal of Artificial Intelligence and Applications (AIA). Authors may choose to assert their Open Access and Retention Rights. Authors of the selected papers will not be required to pay any fees. Information about the AIA journal can be found here:
https://ojs.bonviewpress.com/index.php/AIA/index

Deadline
April 30th, 2024

Organisers
Rubina Polovina, Systems Affairs, Toronto, Ontario, Canada
Simon Polovina, Sheffield Hallam University, Sheffield, UK
Neil Kemp, Kemp & Associates Inc., Ottawa, Ontario, Canada
Ivan Launders, BT, UK
Asif Gill, DigiSAS Lab, School of Computer Science, University of Technology Sydney, Australia

Program Committee
Matt Baxter, Polypipe, Doncaster, UK
Jamie Caine, Sheffield Hallam University, Sheffield, UK
Giulia Felappi, University of Southampton, Southampton, UK
David Jakobsen, Aalborg University, Aalborg, Denmark
Anant Jani, University of Oxford, Oxford, UK
Aidin Kerem, Ontario Public Service, Toronto, Ontario, Canada
Wim Paul Remi Laurier, Université Saint-Louis, Brussels, Belgium
Pana Lepeniotis, Data Clarity Ltd, Nottingham, UK
Aldo De Moor, Community Sense, Tilburg, The Netherlands
Suzana Stojakovic-Celustka, InfoSet, Zagreb, Croatia
Ragupathi Sundararaj, Ontario Public Service, Toronto, Ontario, Canada